**JavaScript Assignments**

**Exercise JS-01**

Read a static array of 50 numbers and display the following output

1 is odd

2 is Even

3 is odd

4 is Even ………….

**Exercise JS-02**

The Number of words in a sentence, Number of Letters. Create a HTML textbox to accept the sentence:

"She sells sea shells on the sea shore"

**Exercise JQ-01**

Build a Dynamic Grid using an array using JQuery. Use a Static array of "Employee Objects".

/////////////////////////////////// EXERCISE JQ01///////////////////////////////

**<!DOCTYPE html>**

**<html>**

**<head>**

**<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/4.7.0/css/font-awesome.min.css">**

**<style>**

**\* {**

**box-sizing: border-box;**

**}**

**/\* Create two equal columns that floats next to each other \*/**

**.column {**

**float: left;**

**width: 50%;**

**padding: 10px;**

**}**

**/\* Clear floats after the columns \*/**

**.row:after {**

**content: "";**

**display: table;**

**clear: both;**

**}**

**/\* Style the buttons \*/**

**.btn {**

**border: none;**

**outline: none;**

**padding: 12px 16px;**

**background-color: #f1f1f1;**

**cursor: pointer;**

**}**

**.btn:hover {**

**background-color: #ddd;**

**}**

**.btn.active {**

**background-color: #666;**

**color: white;**

**}**

**</style>**

**</head>**

**<body>**

**<h2>Employee Object</h2>**

**<p>Click on a button to choose list view or grid view.</p>**

**<div id="btnContainer">**

**<button class="btn" onclick="listView()"><i class="fa fa-bars"></i> List</button>**

**<button class="btn active" onclick="gridView()"><i class="fa fa-th-large"></i> Grid</button>**

**</div>**

**<br>**

**<div class="row">**

**<div class="column" style="background-color:#aaa;">**

**<h2>Emplyee 01</h2>**

**<p>Sandhiya</p>**

**<p>Chennai</p>**

**</div>**

**<div class="column" style="background-color:#bbb;">**

**<h2>Employee 2</h2>**

**<p>Madhu</p>**

**<p>Banglore</p>**

**</div>**

**</div>**

**<div class="row">**

**<div class="column" style="background-color:#ccc;">**

**<h2>Employee 3</h2>**

**<p>Pranathi</p>**

**<p>Hyderbad</p>**

**</div>**

**<div class="column" style="background-color:#ddd;">**

**<h2>Employee 4</h2>**

**<p>Vamshi</p>**

**<p>Pune</p>**

**</div>**

**</div>**

**<script>**

**// Get the elements with class="column"**

**var elements = document.getElementsByClassName("column");**

**// Declare a loop variable**

**var i;**

**// List View**

**function listView() {**

**for (i = 0; i < elements.length; i++) {**

**elements[i].style.width = "100%";**

**}**

**}**

**// Grid View**

**function gridView() {**

**for (i = 0; i < elements.length; i++) {**

**elements[i].style.width = "50%";**

**}**

**}**

**/\* Optional: Add active class to the current button (highlight it) \*/**

**var container = document.getElementById("btnContainer");**

**var btns = container.getElementsByClassName("btn");**

**for (var i = 0; i < btns.length; i++) {**

**btns[i].addEventListener("click", function() {**

**var current = document.getElementsByClassName("active");**

**current[0].className = current[0].className.replace(" active", "");**

**this.className += " active";**

**});**

**}**

**</script>**

**</body>**

**</html>**

**/////////////////////EXERCISE JQ02//////////////////////////////////////////**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8">**

**<meta http-equiv="X-UA-Compatible" content="IE=edge">**

**<meta name="viewport" content="width=device-width, initial-scale=1.0">**

**<title>Assignment-2 | Word&Letter</title>**

**<style>**

**body{**

**text-align: center;**

**background-color: purple;**

**}**

**h1{**

**color: black;**

**font-size: 35px;**

**}**

**textarea{**

**border-radius: 20px;**

**text-align: center;**

**}**

**</style>**

**</head>**

**<h1>**

**Word Count and Letter Count**

**</h1>**

**<p>**

**Type in textbox and click on**

**the button to count the words**

**</p>**

**<textarea id="inputField" rows="10" cols="60">**

**</textarea>**

**<br><br>**

**<button onclick="countWords()">**

**Count Words**

**</button>**

**<button onclick="countLetters()">**

**Count Letters**

**</button>**

**<br><br>**

**<p> Word Count:**

**<span id="show">0</span>**

**</p>**

**<p> Letters Count:**

**<span id="shownow">0</span>**

**</p>**

**<script>**

**// CountingLetters**

**function countLetters() {**

**var text = document.getElementById("inputField").value;**

**var numLetters = 0;**

**for (var i = 0; i < text.length; i++) {**

**numLetters += 0;**

**}**

**document.getElementById("shownow")**

**.innerHTML = numLetters;**

**}**

**// CountingWords**

**function countWords() {**

**var text = document**

**.getElementById("inputField").value;**

**var numWords = 0;**

**for (var i = 0; i < text.length; i++) {**

**var currentCharacter = text[i];**

**if (currentCharacter == " ") {**

**numWords += 1;**

**}**

**}**

**numWords += 0;**

**document.getElementById("show")**

**.innerHTML = numWords;**

**}**

**</script>**

**</body>**

**</html>**

**/////////////////EXERCISE JQ03/////////////**

**<!DOCTYPE html>**

**<html lang="en">**

**<head>**

**<meta charset="UTF-8">**

**<meta http-equiv="X-UA-Compatible" content="IE=edge">**

**<meta name="viewport" content="width=device-width, initial-scale=1.0">**

**<title>Document</title>**

**<script>**

**function EvenOdd(arr, arr\_size)**

**{**

**for (let i = 1; i < n; i++) {**

**if (arr[i] & 1 == 1)**

**console.log(arr[i] + " is odd");**

**else**

**console.log(arr[i] + " is even");**

**}**

**}**

**let arr = Array.from(Array(51).keys());**

**let n = arr.length;**

**// Function Call**

**EvenOdd(arr, n);**

**</script>**

**</head>**

**<body>**

**</body>**

**</html>**